

## REMARKS

Applicants have amended their claims herein to better clarify the invention. Claims 1, 7, and 12, are amended herein to recite compiling source code to form a second device code image comprising a trace description string, wherein that trace description string comprises one or more data placeholders, wherein each of those one or more data placeholders are selected from the group consisting of @w, @h, and @b, wherein the data placeholder @w indicates 32 bits of data, and wherein the data placeholder @h indicates 16 bits of data, and wherein the data placeholder @b indicates 8 bits of data. Support can be found in the Specification on Page 4 at Line 16 through Page 5 at Line 2, and in FIG. 2 wherein trace description string 250 is shown comprising data placeholders 252, 254, and 256.

Claim 12 is amended to recite a computer program product embodied in a computer memory. Support can be found in FIG. 7 which shows computer program product 750 embodied in computer memory 730.

No new matter has been entered. Reexamination and reconsideration of the application, as amended, is respectfully requested.

Claims 1-16 are pending.

Claims 12-16 stand rejected under 35 USC 101 as being directed to non-statutory matter. Claims 12-16 are amended herein to cure these rejections.

Claims 1-3, 7-9, and 12-14 stand rejected under 35 USC 102(e) as being anticipated by Callahan (US Pub. No. 2002/0129339).

Claims 4, 5, 6, 10, 11, 15, and 16, stand rejected under 35 USC 103(a) as being unpatentable over Callahan in view of Kang et al. (US Pub. No. 2005/0028145).

“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. v. Union Oil Co. of Cal.*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed.Cir. 1987); MPEP 2131. Moreover, “[t]he identical invention must be shown in as complete detail as is contained in the . . . claim.” *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed.Cir. 1989). Callahan nowhere teaches a method to, or a computer readable program code comprising a series of computer readable program steps to, or a computer readable program code which causes said programmable computer processor to, compile source code to form a second device code image comprising a trace description string, wherein that trace description string comprises one or more data placeholders, wherein each of those one or more data placeholders are selected from the group consisting of @w, @h, and @b, wherein the data placeholder @w indicates 32 bits of data, and wherein the data placeholder @h indicates 16 bits of data, and wherein the data placeholder @b indicates 8 bits of data, as recited by claims 1, 7, and 12, as amended herein.

This being the case, Applicants respectfully submit that claims 1, 7, and 12, are not anticipated by the teachings of Callahan.

Claims 2 and 3, as amended herein, depend, directly or indirectly, from claim 1, as amended herein. Under 35 U.S.C. § 112, fourth paragraph, “a claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.”

Therefore, claims 2 and 3, as amended herein, include all the elements of claim 1, as amended herein. This being the case, Applicants respectfully submit that claims 2 and 3, as amended herein, are not anticipated by the teachings of Callahan.

Claims 8 and 9, as amended herein, depend, directly or indirectly, from claim 7, as amended herein. Under 35 U.S.C. § 112, fourth paragraph, “a claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.” Therefore, claims 8 and 9, as amended herein, include all the elements of claim 7, as amended herein. This being the case, Applicants respectfully submit that claims 8 and 9, as amended herein, are not anticipated by the teachings of Callahan.

Claims 13 and 14, as amended herein, depend, directly or indirectly, from claim 12, as amended herein. Under 35 U.S.C. § 112, fourth paragraph, “a claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.” Therefore, claims 13 and 14, as amended herein, include all the elements of claim 12, as amended herein. This being the case, Applicants respectfully submit that claims 13 and 14, as amended herein, are not anticipated by the teachings of Callahan.

“To establish prima facie obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art.” MPEP 2143.03; *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). Neither Callahan nor Kang et al., singly or in combination, teach or suggest a method to, or a computer readable program code comprising a series of computer readable program steps to, or a computer readable program code which causes said programmable computer processor to compiling source code to, compile source code to form a second device code image comprising a trace description string, wherein that trace description string comprises one or more data placeholders, wherein each of those one or more data placeholders are selected from the group consisting of @w, @h, and @b, wherein the data placeholder @w indicates 32 bits of data, and wherein the data placeholder @h indicates 16

bits of data, and wherein the data placeholder @b indicates 8 bits of data, as recited by claims 1, 7, and 12, as amended herein. Therefore, Applicants respectfully submit that claims 1, 7, and 12, are non-obvious over the teachings of Callahan and Kang et al.

Claims 4 and 5, as amended herein, depend, directly or indirectly, from claim 1, as amended herein. Under 35 U.S.C. § 112, fourth paragraph, “a claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.” “If an independent claim is nonobvious under 35 U.S.C. 103, then any claim depending therefrom is nonobvious.” MPEP 2143.03; *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed.Cir. 1988). Applicants respectfully submit that claims 4 and 5, as amended herein, are non-obvious over the teachings of Callahan and Kang et al.

Claims 10 and 11, as amended herein, depend, directly or indirectly, from claim 7, as amended herein. Under 35 U.S.C. § 112, fourth paragraph, “a claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.” “If an independent claim is nonobvious under 35 U.S.C. 103, then any claim depending therefrom is nonobvious.” MPEP 2143.03; *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed.Cir. 1988). Applicants respectfully submit that claims 10 and 11, as amended herein, are non-obvious over the teachings of Callahan and Kang et al.

Claims 15 and 16, as amended herein, depend, directly or indirectly, from claim 12, as amended herein. Under 35 U.S.C. § 112, fourth paragraph, “a claim in dependent form shall be construed to incorporate by reference all the limitations of the claim to which it refers.” “If an independent claim is nonobvious under 35 U.S.C. 103, then any claim depending therefrom is nonobvious.” MPEP 2143.03; *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed.Cir. 1988).

Applicants respectfully submit that claims 15 and 16, as amended herein, are non-obvious over the teachings of Callahan and Kang et al.

Having dealt with all of the outstanding objections and/or rejections of the claims, Applicants submit that the application as amended is in condition for allowance, and an allowance at an early date is respectfully solicited. In the event there are any fee deficiencies or additional fees are payable, please charge them, or credit an overpayment, to our Deposit Account No. 502262.

Respectfully submitted,

/s/Dale F. Regelman

Dale F. Regelman, Ph.D.  
Attorney for Applicants  
Reg. No. 45,625

**CERTIFICATE OF ELECTRONIC FILING**

I hereby certify that this correspondence is herewith being electronically transmitted via Electronic Filing System to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

/s/Reena Mendez  
Signature

April 20, 2007  
Date of Signature